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PHOTOGRAPHIC INTERPRETATION REPORT

GLADKAYA ICBM COMPLEX USSR

TCS-80367/67
JULY 1967
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PREFACE

This report updates and supersedes TCS-80017/67, Gladkaya ICBM Complex, USSR, 1/ the initial report in a series prepared in response to CIA Requirement C-DI5-82,972 requesting detailed line drawings, to scale, of elements of the complex. The information contained herein is based on KEYHOLE photography [redacted] Individual reports will be updated periodically to reflect changes observed on subsequent photography.

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GLADKAYA ICBM COMPLEX, USSR

The Gladkaya ICBM Complex (Figure 1) is located on the north side of the Trans-Siberian Railroad, with the complex support facility about 21 nm west of Krasnoyarsk. The complex contains Type IID, IIIA, and IIID launch sites deployed in an area extending about 55 nm east and west and 30 nm north and south. The small town of Gladkaya is within the confines of the deployed sites.

Terrain in the region is gently rolling, interspersed with frequent drains in steep ravines. Elevations range generally between 1,000 and 1,500 feet. The region is heavily forested, with little or no agriculture, and is sparsely inhabited, with a few small towns or villages within the area of the deployed sites.

Winters are extremely cold and summers warm-to-hot. Precipitation is light with the maximum occurring during June, July, and August. In the winter, most of the precipitation falls as snow and persistent low temperatures allow it to accumulate. The ground is usually snow-covered from early autumn to late spring. Cloudiness is prevalent throughout the year with the maximum occurring about October when one-third or less of the days are clear.

Rail and road facilities are sufficient to provide adequate transportation routes to supply sources elsewhere in the Soviet Union. The complex support facility and rail-to-road transfer point are both rail served by a spur from the Trans-Siberian Railroad. A first-class road runs west from Krasnoyarsk through the complex, but no adequate local road network was available within the complex. Well-engineered roads providing access to all components of the complex were constructed concurrent with the Type IID and IIIA missile sites. Improved roads were extended to the sites in Launch Groups F, G, H, and J. Launch Groups I and K are not yet included in the network of improved roads, but as these groups approach completion there is no doubt that improved roads will be extended to the launch sites.

The complex was first identified [redacted] when the complex support facility and 2 Type IIC launch sites were present. Subsequent to initial construction, it became evident that the Soviets had changed their plans for the type of missile to be deployed at this complex. The SS-8 missile system originally assigned here was discarded in favor of the SS-7 system. First indications of this changeover were apparent [redacted] when a Type IID launch site was observed under construction 0.8 nm south of Launch Site 1. Conclusive evidence of the change came [redacted] when photography revealed

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that a Type IID site had been superimposed over the Type IIC site at Launch Site 2. In the summer of the same year, construction of 3 Type IIIA launch sites was started. Two of these sites were abandoned in the early stage of construction but the third site was carried to completion.

Type IIID launch sites were first observed at this complex during the 25X1D [redacted] 11 of these sites were observed under construction. This number was augmented by 26 additional sites [redacted] 25X1D 25X1D [redacted] there were 24 more Type IIID sites added to the complex, to bring the total number to 61 confirmed launch sites deployed in 6 groups and 1 site at the transfer point. Construction at Launch Groups F, G, H, I, and J is now complete. Launch Group K has most of its sites in a late stage of construction.

It is probable that site deployment at this complex is complete. The last 25X1D estimated start [redacted] and, as of the present, there have been 25X1D no starts [redacted] In the comparable early months [redacted] there were 13 sites started. 25X1D

No definite analysis can be made of materials in the railhead and storage area because of poor photographic interpretability. However, if site deployment has ceased at this complex, it is not caused by lack of space. There is ample room in this virtually uninhabited, forested region of Siberia for unlimited site deployment. The area to the north of Launch Group G would be best for additional sites, because of its relative convenience to the complex support facility.

Components	Type	Graphic Coordinates
Complex Support Facility		
Launch Site 2	IID	56-06N 092-14E
Launch Site 3	IID	56-24N 092-27E
Launch Site 5	IIIA	56-20N 092-20E
		56-21N 092-15E
Launch Group F		
Launch Site 7F*	IIID	
Launch Site 8F	IIID	56-14N 092-15E
Launch Site 9F	IIID	56-17N 092-18E
Launch Site 10F	IIID	56-14N 092-21E
Launch Site 11F	IIID	56-12N 092-15E
Launch Site 12F	IIID	56-11N 092-10E
Launch Site 14F	IIID	56-13N 092-10E
Launch Site 15F	IIID	56-18N 092-22E
Launch Site 20F	IIID	56-17N 092-13E
Launch Site 22F	IIID	56-12N 092-05E
		56-14N 092-26E
Launch Group G		
Launch Site 16G	IIID	56-14N 091-45E
Launch Site 17G	IIID	56-12N 091-44E
Launch Site 18G	IIID	56-13N 091-55E
Launch Site 19G	IIID	56-12N 091-39E
Launch Site 21G	IIID	56-13N 092-00E
Launch Site 23G*	IIID	56-13N 091-49E
Launch Site 24G	IIID	56-08N 091-45E
Launch Site 38G	IIID	56-10N 091-47E
Launch Site 39G	IIID	56-12N 091-53E
Launch Site 40G	IIID	56-14N 091-52E
Launch Group H		
Launch Site 25H	IIID	56-13N 092-32E
Launch Site 26H	IIID	56-11N 092-38E
Launch Site 27H*	IIID	56-14N 092-38E
Launch Site 28H	IIID	56-11N 092-44E
Launch Site 29H	IIID	56-12N 092-49E
Launch Site 30H	IIID	56-14N 092-43E
Launch Site 31H	IIID	56-15N 092-52E
Launch Site 33H	IIID	56-18N 092-38E
Launch Site 34H	IIID	56-17N 092-33E
Launch Site 36H	IIID	56-18N 092-45E
Launch Group I		
Launch Site 35I*	IIID	56-19N 093-03E
Launch Site 41I	IIID	56-14N 092-57E
Launch Site 42I	IIID	56-15N 093-10E
Launch Site 43I	IIID	56-15N 093-02E
Launch Site 44I	IIID	56-18N 092-58E
Launch Site 45I	IIID	56-20N 092-55E

Components	Type	Graphic Coordinates
Launch Site 47I	IIID	56-22N 093-00E
Launch Site 48I	IIID	56-20N 093-09E
Launch Site 58I	IIID	56-12N 093-05E
Launch Site 65I	IIID	56-13N 093-14E
Launch Group J		
Launch Site 49J*	IIID	56-26N 092-39E
Launch Site 50J	IIID	56-26N 092-45E
Launch Site 51J	IIID	56-23N 092-43E
Launch Site 52J	IIID	56-25N 092-50E
Launch Site 53J	IIID	56-29N 092-48E
Launch Site 54J	IIID	56-28N 092-34E
Launch Site 55J	IIID	56-28N 092-29E
Launch Site 56J	IIID	56-23N 092-31E
Launch Site 57J	IIID	56-23N 092-37E
Launch Site 62J	IIID	56-29N 092-42E
Launch Group K		
Launch Site 60K*	IIID	56-37N 093-06E
Launch Site 63K	IIID	56-31N 092-56E
Launch Site 64K	IIID	56-40N 093-07E
Launch Site 66K	IIID	56-26N 092-59E
Launch Site 67K	IIID	56-26N 093-03E
Launch Site 68K	IIID	56-29N 093-08E
Launch Site 69K	IIID	56-33N 093-02E
Launch Site 70K	IIID	56-32N 093-10E
Launch Site 71K	IIID	56-36N 093-10E
Launch Site 72K	IIID	56-37N 092-58E
Launch Site 59X	IIID	56-09N 092-15E

*Control Site

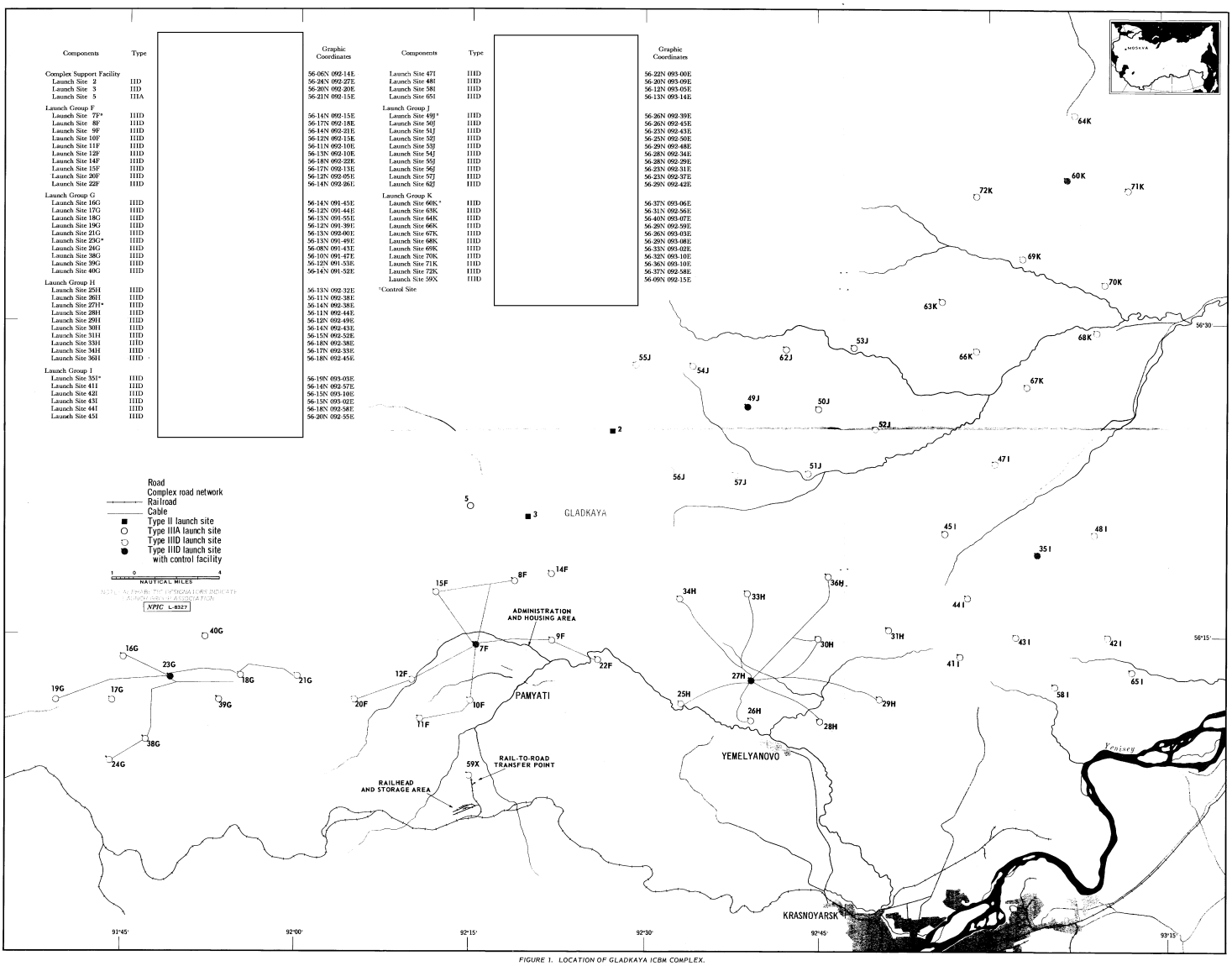

FIGURE 1. LOCATION OF GLADKAYA ICBM COMPLEX.

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REFERENCES

PHOTOGRAPHY

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DOCUMENT

1. NPIC TCS-80017/67, *Gladkaya ICBM Complex, USSR,* Feb 67 (TOP SECRET RUFF)

REQUIREMENT

CIA. C-DI5-82,972

NPIC PROJECT

11210/66 (partial answer)

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